

I Claim:

1. A method of generating a background image for a television, the method comprising:

- (a) receiving a broadcast signal including video data;
- (b) converting the broadcast signal to a television input signal;
- (c) transmitting the television input signal to a television;
- (d) receiving a first user-generated capture command; and
- (e) in response to (d), storing a first picture frame into a non-volatile memory.

2. The method of claim 1, further including converting the first picture frame to a television frame input signal.

3. The method of claim 1, wherein (e) comprises:

- monitoring the broadcast signal;
- identifying the next picture frame that has complete picture information; and
- using the next picture frame as the first picture frame.

4. The method of claim 1, further including:

- (f) receiving a second user-generated capture command (c); and
- (g) in response to (f), storing a second picture frame in the memory.

5. The method of claim 4, further including:

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(i) transmitting the first and second television frame input signals during different time periods.

receiving an identification of a digital audio channel; and

storing information associating the digital audio channel with the first picture frame.

transmitting audio information received from the digital audio channel to the television during a time interval; and

8. The method of claim 1, further including:

(f) dividing the first picture frame into a plurality of sections;

(g) generating a second picture frame having each of the plurality of sections in a location that does not correspond to the location of the section in the first picture frame.

9. The method of claim 8, further including:

$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}}$

- (h) converting the second picture frame to a television frame input signal; and
- (i) transmitting the television frame input signal to a television.

10. The method of claim 9, further including:

- (j) receiving an input signal from a user indicating an arrangement of the plurality of sections.

11. The method of claim 10, further including:

- (k) in response to (j) generating a third picture frame having the plurality of sections in locations determined by the input signal.

12. The method of claim 1, further including transmitting the first picture frame to a computer device.

13. The method of claim 1, wherein step (d) is performed during step (c).

14. A method of generating an event sound for a digital broadcast receiver, the method comprising:

- (a) receiving a broadcast signal including a digital audio stream;
- (b) receiving a user-generated capture command;
- (c) in response to (b), storing a portion of the digital audio stream in a memory;

(d) receiving information that associates an event and the portion of the digital audio stream; and

(e) retrieving the portion of the digital audio stream from the memory when the event takes places.

15. The method of claim 14, wherein the event comprises the startup of the digital broadcast receiver.

16. The method of claim 14, wherein the event comprises the selection of an icon on a user interface.

17. The method of claim 14, wherein the event comprises a time of day.

18. The method of claim 14, wherein the event comprises the shutdown of the digital broadcast receiver.

19. A computer-readable medium having computer-executable instructions for performing the steps comprising:

- (a) receiving a broadcast signal including video data;
- (b) converting the broadcast signal to a television input signal;
- (c) transmitting the television input signal to a television;
- (d) receiving a first user generated capture command; and
- (e) in response to (d), storing a first picture frame in a non-volatile memory.

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20. The computer-readable medium of claim 19, further including computer-executable instructions for performing the steps of:

- (f) receiving a second user-generated capture command (c); and
- (g) in response to (f), storing a second picture frame in the non-volatile memory.

21. The computer-readable medium of claim 20, further including computer-executable instructions for performing the steps of:

- (h) converting the first and second picture frames to respective first and second television frame input signals; and
- (i) transmitting the first and second television frame input signals during different time periods.

22. A computer-readable medium having computer-executable instructions for performing the steps comprising:

- (a) receiving a broadcast signal including a digital audio stream;
- (b) receiving a user-generated capture command;
- (c) in response to (b), storing a portion of the digital audio stream in a memory;
- (d) receiving information that associates an event and the portion of the digital audio stream; and

(e) retrieving the portion of the digital audio stream from the memory when the event takes places.

23. A digital broadcast receiver comprising:

- a central processing unit;
- a memory module coupled to the central processing unit and containing computer-executable instructions that causes the receiver to perform the steps of:
 - (a) receiving a broadcast signal including video data;
 - (b) converting the broadcast signal to a television input signal;
 - (c) transmitting the television input signal to a television;
 - (d) receiving a first user-generated capture command during (c);
 - (e) in response to (d), storing a first picture frame in a memory; and
- an interface module for coupling the receiver to a computer device.

24. A digital broadcast receiver comprising:

- a central processing unit;
- a memory module coupled to the central processing unit and containing computer-executable instructions that causes the receiver to perform the steps of:
 - (a) receiving a broadcast signal including video and audio data;
 - (b) converting the broadcast signal to a television input signal;
 - (c) transmitting the television input signal to a television;
 - (d) receiving a first user-generated capture command during (c);
 - (e) in response to (d), storing a first picture frame in a memory;

- (f) dividing the first picture frame into a plurality of sections;
 - (g) generating a second picture frame having each of the plurality of sections in a location that does not correspond to the location of the section in the first picture frame;
 - (h) receiving a second user-generated capture command;
 - (i) in response to (h), storing a portion of the digital audio data in a memory;
 - (j) receiving information that associates an event and the portion of the digital audio data;
 - (k) retrieving the portion of the digital audio data from the memory when the event takes places; and
- an interface module for coupling the receiver to a computer device.

25. A digital broadcast receiver comprising:

- a means for receiving a broadcast signal including video data;
- a means for converting the broadcast signal to a television input signal;
- a means for transmitting the television input signal to a television;
- a means for receiving a first user-generated capture command; and
- a means for storing a first picture frame in a memory.

26. A method of creating an application selection item for a terminal, the method comprising:

- (a) receiving a broadcast signal including video data;

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- (b) converting the broadcast signal to a terminal input signal;
- (c) transmitting the terminal input signal to a terminal display;
- (d) receiving a user-generated capture command;
- (e) in response to (d), storing a picture frame derived from the received broadcast signal into a non-volatile memory; and
- (f) displaying the picture frame on the terminal display as an application selection item.

27. The method of claim 26, further including reducing the size of a frame from the broadcast signal to create the picture frame.

28. The method of claim 27, wherein the picture frame comprises an icon.

29. The method of claim 26, wherein step (f) comprises displaying the picture frame on a navigation bar.

30. The method of claim 26, wherein step (f) comprises displaying the picture frame as an icon on a navigation bar.

31. The method of claim 26, wherein step (d) comprises receiving a capture command from a mobile phone terminal.

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32. The method of claim 26, wherein step (d) comprises receiving a capture command from a computer terminal.

33. The method of claim 26, wherein step (d) comprises receiving a capture command from a remote control.

34. The method of claim 26, further including associating at least one audio frame with the picture frame.

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